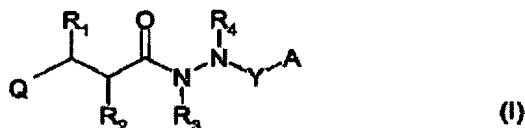


The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A compound of formula (I) or a pharmaceutical or veterinary acceptable salt, hydrate or solvate thereof



wherein Q represents a radical of formula -N(OH)CH(=O) or formula -C(=O)NH(OH);

Y represents -C(=O)-, -C(=S)-, -S(=O)-, or -SO₂-;

R₁ represents hydrogen, C₁-C₆ alkyl or C₁-C₆ alkyl substituted by one or more halogen atoms, or, except when Q is a radical of formula -N(OH)CH(=O), a hydroxy, C₁-C₆ alkoxy, C₁-C₆ alkenyloxy, halogen, amino, C₁-C₆ alkylamino, or di-(C₁-C₆ alkyl)amino group;

R₂ represents a substituted or unsubstituted C₁-C₆ alkyl, C₁-C₃ alkyl-O-C₁-C₃ alkyl, C₁-C₃ alkyl-S-C₁-C₃ alkyl, cycloalkyl(C₁-C₃ alkyl)-, aryl(C₁-C₃ alkyl)-, heterocyclyl(C₁-C₃ alkyl)-, or R¹R²N-C₁-C₃ alkyl group wherein R¹ represents hydrogen or C₁-C₃ alkyl and R² represents C₁-C₃ alkyl, or R¹R²N-represents a cyclic amino group;

R₃ and R₄ taken together with the nitrogen atoms to which they are respectively attached form a saturated heterocyclic ring of from 4 to 7 ring atoms, which may be fused to a second carbocyclic or heterocyclic ring, either of which rings may optionally be substituted; and

A represents a primary, secondary or tertiary amino group or a group -R₅-OR₅, wherein R₅ is a substituted or unsubstituted C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, cycloalkyl, aryl, heterocyclyl, C₁-C₃ alkyl-O-C₁-C₃ alkyl, C₁-C₃ alkyl-S-C₁-C₃ alkyl, cycloalkyl(C₁-C₃ alkyl)-, heterocyclic(C₁-C₃ alkyl, aryl(C₁-C₃ alkyl)-, or R¹R²N-C₁-C₃ alkyl group wherein R¹ represents hydrogen or C₁-C₃ alkyl and R² represents C₁-C₃ alkyl, or R¹R²N-represents a cyclic amino group.

2. (Original) A compound as claimed in claim 1 wherein Q is an N-formyl hydroxylamine group -N(OH)CH(=O).

3 (Presently Amended) A compound as claimed in claim 1 ~~or claim 2~~ wherein -Y- is -C(=O)- or SO₂.

4. (Presently Amended) A compound as claimed in ~~any of the preceding claims~~ claim 1 wherein R¹ is hydrogen.

5. (Presently Amended) A compound as claimed in ~~any of the preceding claims~~ claim 1 wherein R² is

optionally substituted C₁-C₆ alkyl, C₃-C₆ alkenyl, C₃-C₆ alkynyl or cycloalkyl;

phenyl(C₁-C₆ alkyl)-, phenyl(C₃-C₆ alkenyl)- or phenyl(C₃-C₆ alkynyl)- optionally substituted in the phenyl ring;

cycloalkyl(C₁-C₆ alkyl)-, cycloalkyl (C₃-C₆ alkenyl)- or cycloalkyl(C₃-C₆ alkynyl)- optionally substituted in the cycloalkyl ring; or

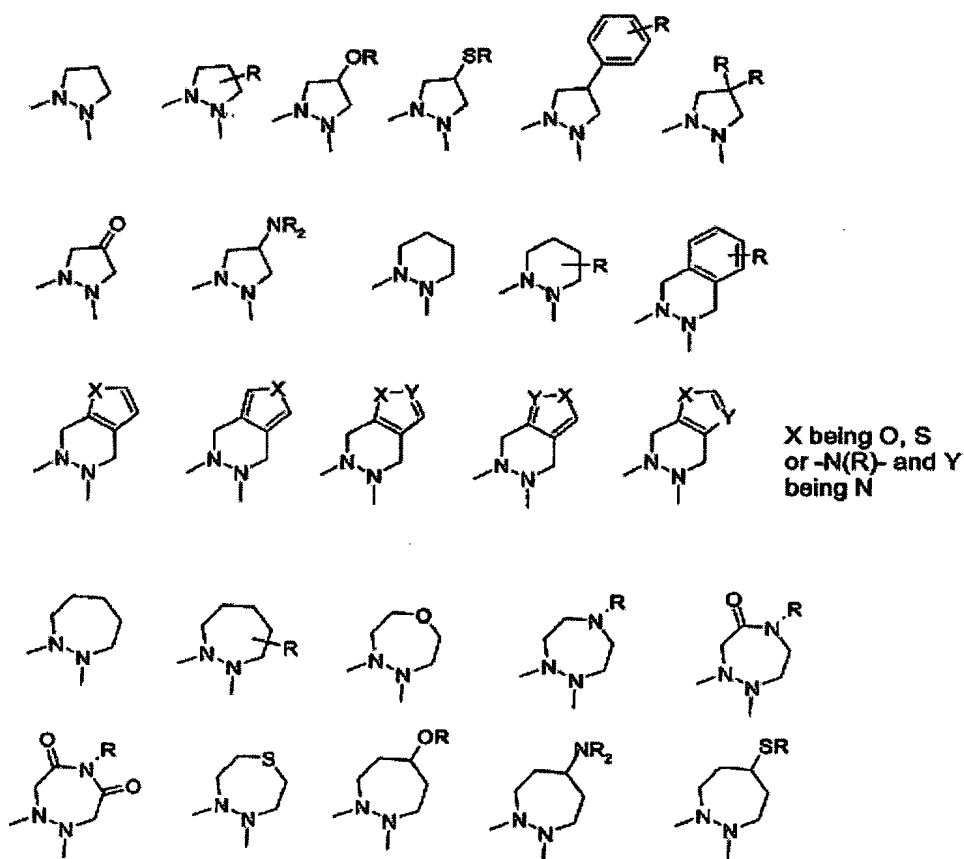
CH₃(CH₂)_pO(CH₂)_q- or CH₃(CH₂)_pS(CH₂)_q-, wherein p is 0, 1, 2 or 3 and q is 1, 2 or 3.

6. (Presently Amended) A compound as claimed in ~~any of claims 1 to 4~~ claim 1 wherein R₂ is methyl, ethyl, n- or iso-propyl, n- or iso-butyl, n-pentyl, iso-pentyl, 3-methyl-but-1-yl, n-hexyl, n-heptyl, n-acetyl, n-octyl, methylsulfanylethyl, ethylsulfanylmethyl, 2-methoxyethyl, 2-ethoxyethyl, 2-ethoxymethyl, 3-hydroxypropyl, allyl, 3-phenylprop-3-en-1-yl, prop-2-yn-1-yl, 3-phenylprop-2-yn-1-yl, 3-(2-chlorophenyl)prop-2-yn-1-yl, but-2-yn-1-yl, cyclopentyl, cyclohexyl, cyclopentylmethyl, cyclopentylethyl, cyclopentylpropyl, acyclohexylmethyl, cyclohexylethyl, cyclohexylpropyl, furan-2-ylmethyl, furan-3-methyl, tetrahydrofuran-2-ylmethyl, tetrahydrofuran-2-ylmethyl, piperidinylmethyl, pyrid-2-ylmethyl, pyrid-3-ylmethyl,

pyrid-4-ylmethyl, phenylpropyl, 4-chlorophenylpropyl, 4-methylphenylpropyl, 4-methoxyphenylpropyl, benzyl, 4-chlorobenzyl, 4-methylbenzyl, or 4-methoxybenzyl.

7. (Presently Amended) A compound as claimed in ~~any of claims 1 to 4~~ claim 1 wherein R₂ is (C₁-C₆)alkyl-, cycloalkylmethyl-, (C₁-C₃)alkyl-S-(C₁-C₃)alkyl-, or (C₁-C₃)alkyl-O-(C₁-C₃)alkyl-, especially n-propyl, n-butyl, n-pentyl, cyclopentylmethyl, cyclopentylethyl, cyclohexylmethyl or cyclohexylethyl.

8. (Presently Amended) A compound as claimed in ~~any of the preceding claims~~ claim 1 wherein the ring formed by R₃ and R₄ and the nitrogens to which they are attached is one of the following, any of which may be optionally substituted, and wherein r represents hydrogen or C₁-C₄ alkyl and any sulfur atom present as a ring member may be oxidized to -SO- or -SO₂-:



9. (Presently Amended) A compound as claimed in ~~any of the preceding claims~~ claim 1 wherein A is a secondary amino group or a cyclic or non-cyclic tertiary amino group.

10. (Presently Amended) A compound as claimed in ~~any of claims 1 to 8~~ claim 1 wherein A is an amino group of formula -NR₆R₇ wherein R₆ and R₇ independently represent a radical of formula (II)



wherein

m, p and n are independently 0 or 1;

Z represents hydrogen or a carbocyclic or heterocyclic ring of 5 to 7 ring atoms which is optionally fused to a saturated or unsaturated carbocyclic or heterocyclic second ring of 5 to 7 ring atoms;

Alk¹ and Alk² independently represent divalent C₁-C₃ alkylene radicals;

X represents -O-, -S-, -S(O)-, -S(O)₂-, -C(=O)-, -NH-, -NR₇- where R₇ is C₁-C₃ alkyl;

and wherein

Alk¹ and Alk² and Z when other than hydrogen, independently are optionally substituted by

(C₁-C₃)alkyl, (C₂-C₃)alkenyl, or (C₂-C₃)alkynyl,

phenyl, optionally substituted by (C₁-C₃)alkyl, (C₁-C₃)alkoxy, halo, nitro, amino, mono- or di-(C₁-C₃)alkylamino, cyano or trifluoromethyl;

monocyclic 5 or 6-membered heterocyclic, optionally substituted by (C₁-C₃)alkyl, (C₁-C₃)alkoxy, halo, nitro, amino, mono- or di-(C₁-C₃)alkylamino, cyano or trifluoromethyl

benzyl, optionally substituted in the phenyl ring by (C₁-C₃)alkyl, (C₁-C₃)alkoxy, halo, nitro, amino, mono- or di-(C₁-C₃)alkylamino, cyano or

trifluoromethyl,

hydroxy, phenoxy, (C₁-C₆)alkoxy, or hydroxyl (C₁-C₆)alkyl,

mercapto,(C₁-C₆) alkylthio or mercapto (C₁-C₆)alkyl,

oxo,

nitro,

cyano

halo

-COOH, or -COOR^A,

-COONH₂, -CONHR^A, or -CONR^AR^B

-COR^A, -SO₂R^A,

-NHCOR^A,

-NH₂, -NHR^A, or -NR^AR^B,

wherein R^A and R^B are independently a (C₁-C₆) alkyl group, R^A and R^B taken together with the nitrogen atom to which they are attached form a 5- or 6-membered heterocyclic ring which may be substituted by (C₁-C₃)alkyl, hydroxyl, or hydroxyl(C₁-C₆)alkyl.

11. (Original) A compound as claimed in claim 10 wherein Alk¹ and Alk² independently represent -(CH₂)- or -(CH₂CH₂)-.

12. (Currently Amended) A compound as claimed in claim 10 ~~or claim 11~~ wherein m is 0, p is 1, n is 0 or 1 and X is -C(=O)- or -S(O₂)-.

13. (Currently Amended) A compound as claimed in claim 10 wherein the substituent (II) has the formula -CH₂Z, -OZ, or -(C=O)Z wherein Z is C₁-C₃ alkyl, phenyl, 3,4-methlenedioxyphenyl, morpholinyl, pyrimidinyl, 1,2,3-thiadiazolyl, 1,4-thiazolyl, benzofuranyl, furanyl, thienyl, pyranal, pyrrolyl, pyrazolyl, isoxazolyl, or pyridyl, any of

which may optionally be substituted as specified. In particular, Z may be a methyl, ethyl, n- or iso-propyl, phenyl, 3,4-methylenedioxyphenyl, morpholinyl, pyrimidin-2-yl, 1,2,3-thiadiazol-5-yl, 1,4-thiazol-5-yl, benzofuran-2-yl, 2- or 3-furanyl, 2- or 3-thienyl, 2- or 3-pyranyl, 2-, 3- or 4-pyrrolyl, 3-, 4- or 5-pyrazolyl, 3-, 4- or 5-isoxazolyl, or 2-, 3- or 4-pyridyl ring any of which may optionally be substituted as specified in the broad description of the compounds of the invention.

14. (Currently Amended) A compound as claimed in ~~any of claims 1 to 8~~ claim 1 wherein A is an amino group of formula -NR₆R₇ wherein R₆ and R₇ taken together with the nitrogen atom to which they are attached form a saturated heterocyclic ring of 5 to 8 atoms optionally fused to a saturated or unsaturated carbocyclic or heterocyclic second ring of 5 to 7 ring atoms, any of which rings being optionally substituted by a radical of formula (II) ~~as defined in any of claims 10 to 13~~



wherein

m, p and n are independently 0 or 1;

Z represents hydrogen or a carbocyclic or heterocyclic ring of 5 to 7 ring atoms which is optionally fused to a saturated or unsaturated carbocyclic or heterocyclic second ring of 5 to 7 ring atoms;

Alk¹ and Alk² independently represent divalent C₁-C₃ alkylen radicals;

X represents -O-, -S-, -S(O)-, -S(O₂)-, -C(=O)-, -NH-, -NR₇- where R₇ is C₁-C₃ alkyl;

and wherein

Alk¹ and Alk² and Z when other than hydrogen, independently are optionally substituted by

(C₁-C₃)alkyl, (C₂-C₃)alkenyl, or (C₂-C₃)alkynyl,

phenyl, optionally substituted by (C₁-C₃)alkyl, (C₁-C₃) alkoxy, halo, nitro,

amino, mono- or di-(C₁-C₃) alkylamino, cyano or trifluoromethyl;

monocyclic 5 or 6-membered heterocyclic, optionally substituted by (C₁-C₃)alkyl, (C₁-C₃ alkoxy, halo, nitro, amino, mono- or di- (C₁-C₃)alkylamino, cyano or trifluoromethyl

benzyl, optionally substituted in the phenyl ring by (C₁-C₃)alkyl, (C₁-C₃)alkoxy, halo, nitro, amino, mono- or di- (C₁-C₃)alkylamino, cyano or trifluoromethyl,

hydroxy, phenoxy, (C₁-C₆)alkoxy, or hydroxyl (C₁-C₆)alkyl,

mercapto, (C₁-C₆) alkylthio or mercapto (C₁-C₆)alkyl,

oxo,

nitro,

cyano

halo

-COOH, or -COOR^A,

-COONH₂, -CONHR^A, or -CONR^AR^B

-COR^A, -SO₂R^A,

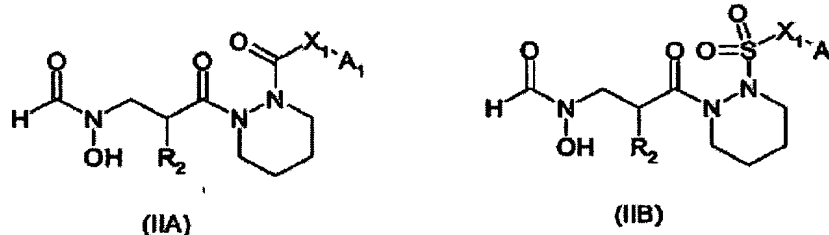
-NHCOR^A,

-NH₂, -NHR^A, or -NR^AR^B,

wherein R^A and R^B are independently a (C₁-C₆) alkyl group, R^A and R^B taken together with the nitrogen atom to which they are attached form a 5- or 6-membered heterocyclic ring which may be substituted by (C₁-C₃)alkyl, hydroxyl, or hydroxyl(C₁-C₆)alkyl.

15. (Original) A compound as claimed in claim 14 wherein A is optionally substituted piperidin-1-yl or 1-piperazinyl.

16. (Original) A compound as claimed in claim 1 of formula (IIA) or (IIB)



wherein R_2 is as defined in claim 1;

X_1 is a bond, C_1 - C_3 alkylene, -NH- or -O-;

and A_1 is optionally substituted C_1 - C_6 alkyl, cycloalkyl, aryl, or heterocyclic.

17. (Original) A compound as claimed in claim 16 wherein R_2 is n-propyl, n-butyl, n-pentyl, cyclopentylmethyl, cyclopentylethyl, cyclohexylmethyl or cyclohexylethyl ;

X_1 is a bond, - CH_2 -, - CH_2CH_2 -, - $CH_2CH_2CH_2$ -, -NH- or -O-; and

A_1 is methyl, ethyl phenyl, cyclopentyl, cyclohexyl, 2- or 3-furanyl, 2- or 3-thienyl, 2-, 3- or 4-pyridyl, 3-, 4- or 5-pyrazolyl, 3-, 4- or 5-oxazolyl, or 3-, 4- or 5-thiazolyl, methoxymethyl, 3,5-bis- (trifluoromethyl) phenyl, 4-trifluoromethylphenyl, 4methoxyphenyl, 3,4-methylenedioxyphenyl, 4-fluorophenyl benzyl, 3-pyridyl, 4-pyridyl, cyclohexyl, 1,3-dimethylpyrazol-5-yl, 1-methylimidazol-5-yl, or 2-[morpholin-1-yl]pyrid-5-yl.

18. (Currently Amended) A method for the treatment of bacterial infections in humans and non-human mammals, which comprises administering to a subject suffering such infection an antibacterially effective dose of a compound as claimed in ~~any of the preceding claims~~claim 1.

19. (Currently Amended) A method of inhibiting bacterial growth in vitro and in vivo in mammals comprising applying ~~The use of~~ a compound as claimed in claim 1 ~~any of claims 1~~

~~to 17 for inhibiting bacterial growth in vitro and in vivo in mammals.~~

20. (Canceled)

21. (Currently Amended) A method for the treatment of bacterial contamination by applying an antibacterially effective amount of a compound as claimed in ~~any of claims 1 to 17~~ claim 1 to the site of contamination.

22. (Currently Amended) A pharmaceutical or veterinary composition comprising a compound as claimed in ~~any of claims 1 to 17~~ claim 1 together with a pharmaceutically or veterinarily acceptable carrier or excipient.